WHAT WE CLAIM IS:

J. L. B

1) Underground water retention apparatus comprising in combination:

perimetek support means for providing structural support;

liner means secured to the perimeter support means for holding a quantity of run off

water;

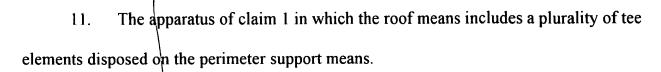
means for draining run off water onto the liner;

means for draining the run off water from the liner; and

roof means disposed on the perimeter support means for covering the liner and for providing structural support for appropriate usage of the roof means.

- 2. The apparatus of claim 1 in which the perimeter support means comprises a retaining wall.
- 3. The apparatus of claim 2 in which the means for draining run off from the liner includes a dry well.
- 4. The apparatus of claim 1 in which the means for draining run off from the liner includes a pump.

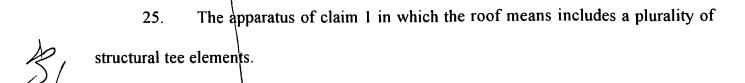
- 5. The apparatus of claim 1 in which the perimeter support means includes a plurality of caissons.
- 6. The apparatus of claim 5 in which the perimeter support means further includes an L-beam disposed on at least some of the plurality of caissons.
- 7. The apparatus of claim 5 in which the plurality of caissons are spaced apart from each other.
- 8. The apparatus of claim 7 in which the plurality of spaced apart caissons includes a first row of spaced apart caissons and a second row of spaced apart caissons.
- 9. The apparatus of claim 8 in which the perimeter support means includes a first L-beam disposed on the first row of spaced apart caissons and a second L-beam disposed on the second row of spaced apart caissons.
- 10. The apparatus of claim 9 in which the roof means comprises a plurality of tee elements disposed on the first and second L-beams.



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- 12. The apparatus of claim 1 in which the plurality of tee elements are disposed adjacent to each other.
- 13. The apparatus of claim 1 in which the liner means includes an upper side wall portion, a lower side wall portion, and a bottom portion.
- 14. The apparatus of claim 13 in which the upper side wall portion is disposed at a relatively shallow angle.
- 15. The apparatus of claim 14 in which the lower side wall portion is disposed at a relatively steep angle.
 - 16. The apparatus of claim 1 in which the liner means comprises a plastic liner.
- 17. The apparatus of claim 1 in which the liner means is made of cementitious material.

- 18. The apparatus of claim 1 in which the perimeter support means includes a generally vertically disposed retaining wall.
- 19. The apparatus of claim 1 in which the liner means is secured to the vertically disposed retaining wall.
 - 20. The apparatus of claim 19 in which the retaining wall is relatively short.
 - 21. The apparatus of claim 19 in which the retaining wall is relatively long.
- 22. The apparatus of claim 1 in which the perimeter support means includes a stepped retaining wall.
- 23. The apparatus of claim 22 in which the perimeter support means includes a plurality of relatively short stepped retaining walls.
- 24. The apparatus of claim 23 in which the liner means is secured to the stepped retaining walls.





26. The apparatus of claim 25 in which the roof means further includes a concrete cap disposed on the structural tee elements.

and Be